

FIG. 1

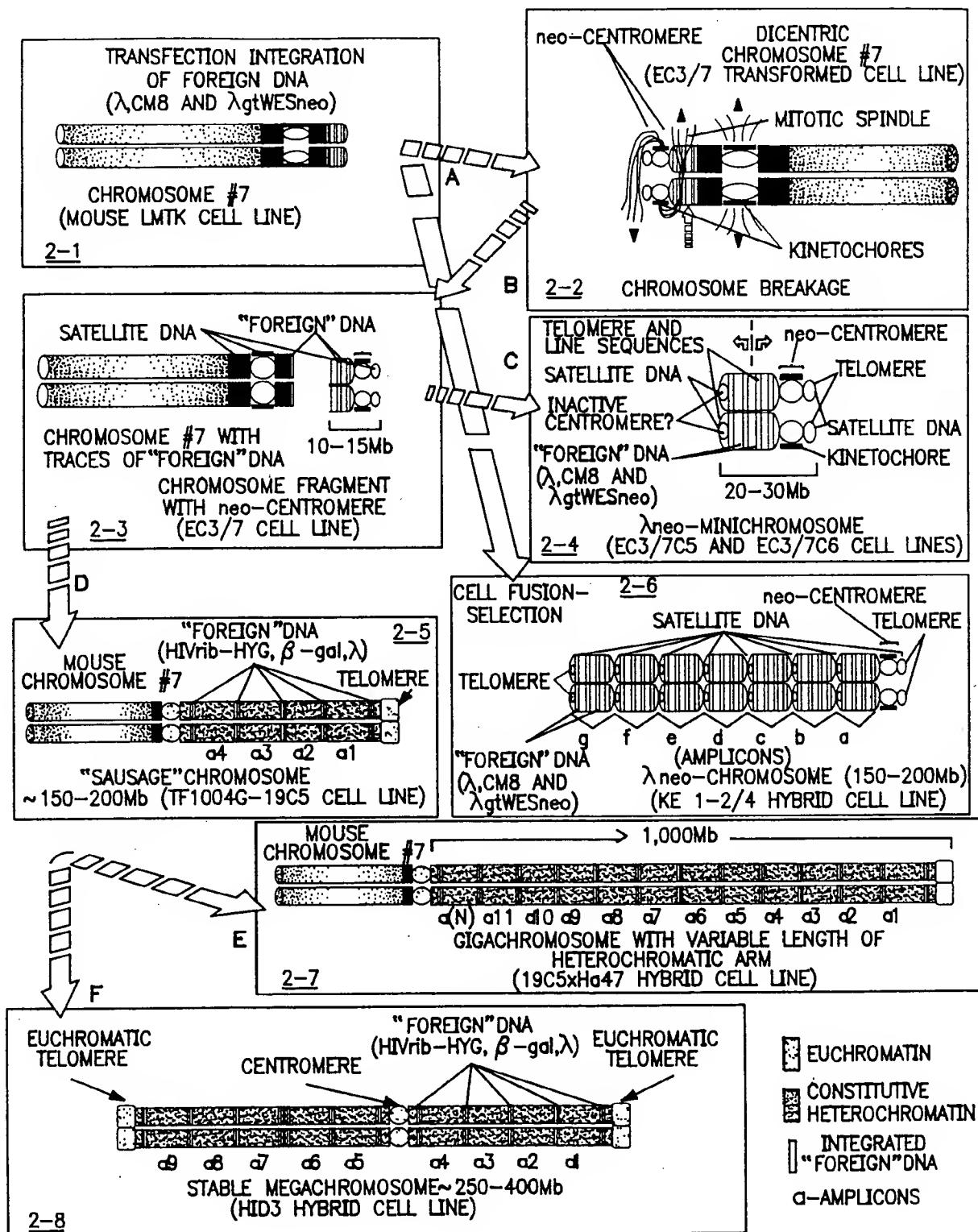


FIG. 2

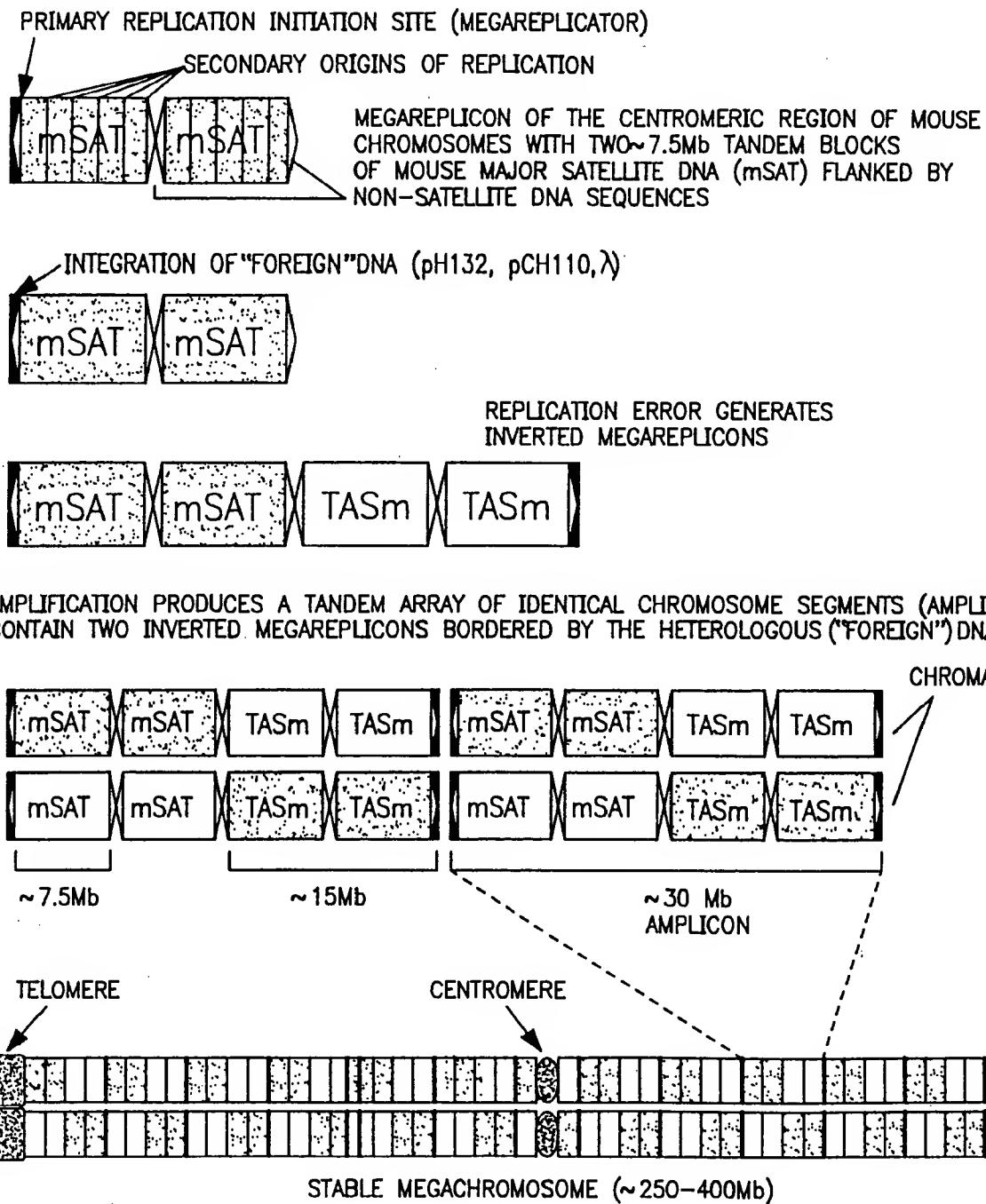


FIG. 3

EC3/7 MOUSE LMTK FIBROBLAST CELL LINE WITH neo-CENTROMERE
(HADLACZKY ET AL. PROC. NATL. ACAD. SCI. USA, 88:
8106-8110, 1991)

DEPOSITED IN THE EUROPEAN COLLECTION OF ANIMAL CELL CULTURE
(ECACC) ACCESSION NUMBER 9005 1001

 SINGLE-CELL SUBCLONING

EC3/7CS MOUSE LMTK FIBROBLAST CELL LINES WITH neo-MINICHROMOSOME
(HADLACZKY ET AL. PROC. NATL. ACAD. SCI. USA, 88:
8106-8110, 1991)

COTRANSFECTION WITH PLASMIDS pH132 (HIVRIBOZYME,
 HYGROMYCIN RESISTANCE) pCH110 (β -GALACTOSIDASE), AND
 LAMBDA PHAGE (λ C1 875 SAM7) DNA, SELECTION
 WITH HYGROMYCIN B.

TF1004G-19C5* - MOUSE LMTK FIBROBLAST CELL LINES WITH
neo-MINICHROMOSOME, AND STABLE "SAUSAGE" CHROMOSOME

 FUSION WITH CHINESE HAMSTER (CHO K20) CELL LINE,
SELECTION WITH HYGROMYCIN B AND HAT.

19C5xHa4 - MOUSE-HAMSTER HYBRID CELL LINE CARRYING THE
neo-MINICHROMOSOME AND THE "SAUSAGE" CHROMOSOME,
 CONTAINING COMPLETE HAMSTER GENOME AND PARTIAL MOUSE
GENOME.

 BrdU TREATMENT, SINGLE CELL CLONING, SELECTION:
G418 (NEOMYCIN) OR HYGROMYCIN, OR BOTH

G3DS* - MOUSE-HAMSTER HYBRID CELL LINE CARRYING THE
neo-MINICHROMOSOME AND THE MEGACHROMOSOME,
 CONTAINING COMPLETE HAMSTER GENOME AND PARTIAL
MOUSE GENOME.

 H1D3* - MOUSE-HAMSTER HYBRID CELL LINE CARRYING
NO neo-MINICHROMOSOME BUT THE MEGACHROMOSOME, IS
 PRESENT, CONTAINING COMPLETE HAMSTER GENOME AND PARTIAL
MOUSE GENOME.

 FUSION WITH CD4+ HeLa CELL LINE CARRYING THE
CD4 AND NEOMYCIN RESISTANCE GENE PLASMID CONSTRUCT
(CD4neo), SELECTION WITH G418 AND HYGROMYCIN B

H1xHe41* - MOUSE-HAMSTER-HUMAN HYBRID CELL LINE CARRYING THE
 MEGACHROMOSOME PRESENT, CONTAINING COMPLETE HAMSTER
 GENOME, AND PARTIAL MOUSE GENOME, AND A SINGLE HUMAN
 CHROMOSOME WITH INTEGRATED CD4neo CONSTRUCT (UNPUBLISHED).

 REPEATED BrdU TREATMENT, SINGLE-CELL CLONING

1B3 - SAME AS H1xHe41, BUT APPROXIMATELY 25% OF THE CELLS
ARE CARRYING A TRUNCATED MEGACHROMOSOME

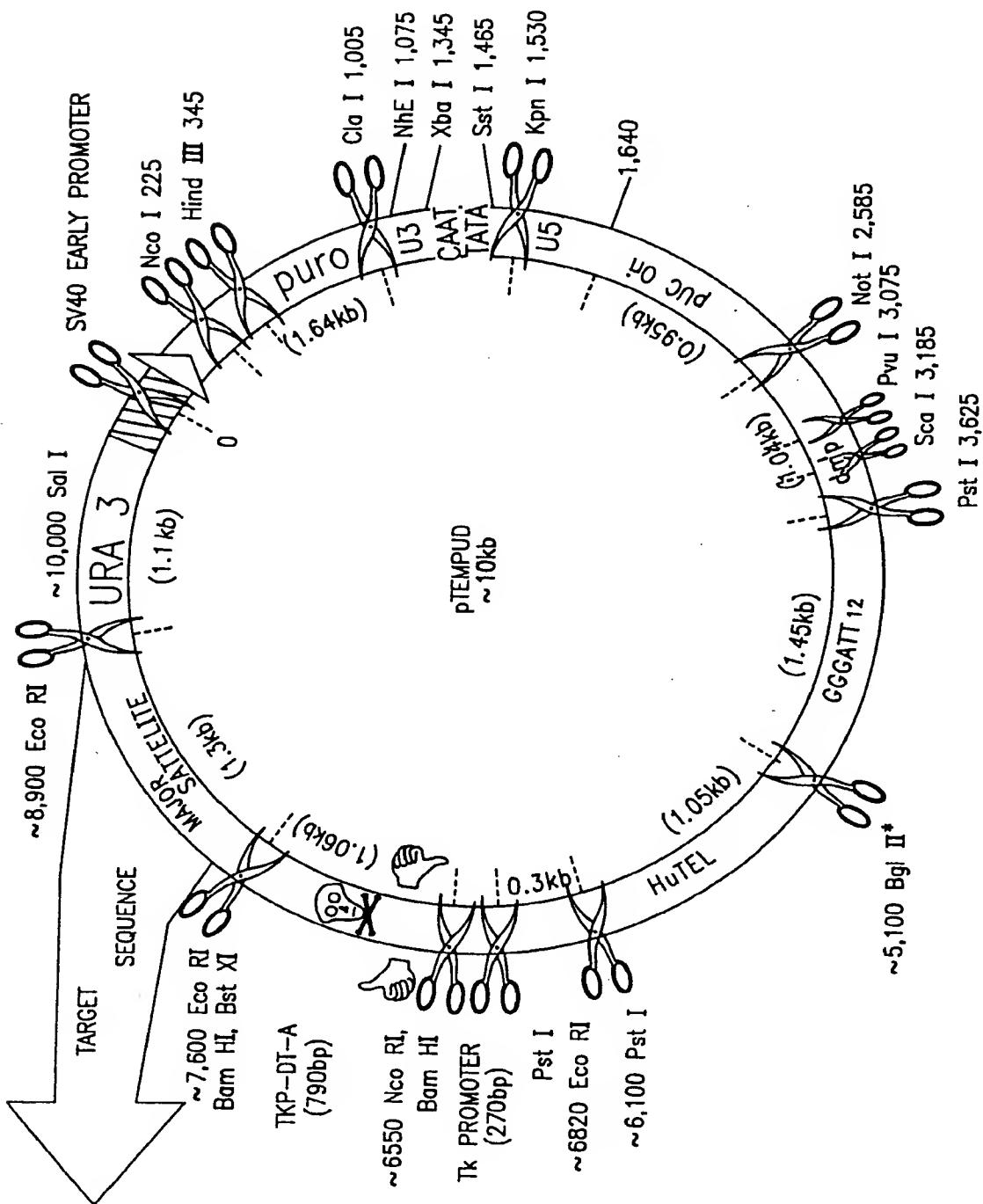


FIG. 5